

# Final 1998 Section 303(d) List - WRIA 26

<b>Water Name</b>	BAIRD CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	WA62BY	<b>Old Segment ID #</b>	WA-26-1026
<b>Stream Route #</b>	0.151	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02E	<b>Grid Latitude</b>	
<b>Section</b>	18	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 13 excursions beyond the criterion measured in 1988.		
<b>Remarks</b>	<p>Watershed Analysis (WAC 222-22) is being conducted on the Upper Coweeman River WAU. The assessment has been completed and the prescriptions are beginning. The stream temperature model used in the analysis was specifically designed to address temperature, land site-specific analyses of shade were made for each stream reach in the WAU. The stream model is mandatory and will be implemented through permits. Tree growth will work to reduce stream temperature over time. Due to restrictions on the use of chemicals and operations near streams, these processes cannot be accelerated without potential detrimental effects on other water quality criteria. A voluntary monitoring program is being developed in the WAU with other stakeholders. In addition, the Watershed Analysis is subject to review and revision every 3-5years (WAC 222-22-090(4)).EPA Region 10 Guidance specifically states that analysis of stream temperature focused solely on riparian shading is an inadequate data analysis for exclusion of waters under federal regulations. Since Watershed Analysis does not address temperature effects from these other factors such as hydrology or channel morphology, the data analysis is not complete. According to this guidance, these streams cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii).</p>		

<b>Water Name</b>	CINNABAR CREEK		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	NM52UO	<b>Old Segment ID #</b>	WA-26-1096
<b>Stream Route #</b>	1.371	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	13N	<b>Waterbody Grid #</b>	
<b>Range</b>	02E	<b>Grid Latitude</b>	
<b>Section</b>	23	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Kendra, 1989, no excursions beyond the criterion during samples taken around Cascade Trout farm on 7/20/88.		
<b>Remarks</b>	This segment was listed in 1996 in error. Review of the report show that no violations of the water quality standards were observed from the samples taken.		

<b>Water Name</b>	CINNABAR CREEK		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	NM52UO	<b>Old Segment ID #</b>	WA-26-1096
<b>Stream Route #</b>	1.371	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	13N	<b>Waterbody Grid #</b>	
<b>Range</b>	02E	<b>Grid Latitude</b>	
<b>Section</b>	23	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Kendra, 1989, no excursions beyond the criterion during samples taken around Cascade Trout farm on 7/20/88.		
<b>Remarks</b>	This segment was listed in 1996 in error. Review of the report show that no violations of the water quality standards were observed from the samples taken.		

<b>Water Name</b>	CINNABAR CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	NM52UO	<b>Old Segment ID #</b>	WA-26-1096
<b>Stream Route #</b>	1.371	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	13N	<b>Waterbody Grid #</b>	
<b>Range</b>	02E	<b>Grid Latitude</b>	
<b>Section</b>	23	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Kendra, 1989, no excursions beyond the criterion during samples taken around Cascade Trout farm on 7/20/88.		
<b>Remarks</b>	This segment was listed in 1996 in error. Review of the report show that no violations of the water quality standards were observed from the samples taken.		

<b>Water Name</b>	CISPUS RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	FB00IP	<b>Old Segment ID #</b>	WA-26-1110
<b>Stream Route #</b>	12.04	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	11N	<b>Waterbody Grid #</b>	
<b>Range</b>	07E	<b>Grid Latitude</b>	
<b>Section</b>	18	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	45 excursions beyond the criterion sampled by Gifford Pinchot National Forest in 1992 (Submitted by Curry Jones-EPA on 11/22/95).		
<b>Remarks</b>			

<b>Water Name</b>	CISPUS RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	FB00IP	<b>Old Segment ID #</b>	WA-26-1118
<b>Stream Route #</b>	70.848	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	11N	<b>Waterbody Grid #</b>	
<b>Range</b>	10E	<b>Grid Latitude</b>	
<b>Section</b>	25	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	38 excursions beyond the criterion sampled by Gifford Pinchot National Forest above Road 2160 in 1994 (submitted by Curry Jones -EPA on 11/22/95).		
<b>Remarks</b>			

<b>Water Name</b>	CISPUS RIVER, N.F.		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	TO54NT	<b>Old Segment ID #</b>	WA-26-1115
<b>Stream Route #</b>	0.097	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	11N	<b>Waterbody Grid #</b>	
<b>Range</b>	08E	<b>Grid Latitude</b>	
<b>Section</b>	15	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	3 excursions beyond the criterion sampled by Gifford Pinchot National Forest on 8/14/92, 8/15/92 and 8/7/93 (submitted by Curry Jones-EPA on 11/22/95).		
<b>Remarks</b>			

<b>Water Name</b>	COLUMBIA RIVER		
<b>Parameter</b>	Bis(2-ethylhexyl) Phthalate	<b>Mediu</b>	Tissue
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	NN57SG	<b>Old Segment ID #</b>	WA-CR-1010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	26
<b>Township</b>		<b>Waterbody Grid #</b>	46122A9J1
<b>Range</b>		<b>Grid Latitude</b>	46.095
<b>Section</b>		<b>Grid Longitude</b>	122.915
<b>Basis for Consideration of Listing</b>	Tetra Tech, 1993 , 1 excursions beyond the national toxics rule criterion in the edible tissue of a single White Sturgeon at RM 67.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	COWEEMAN RIVER		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	ON59SG	<b>Old Segment ID #</b>	WA-26-1020
<b>Stream Route #</b>	2.664	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	35	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 12 samples (8%) at Ecology ambient monitoring station 26C070 (RM 2.7) between 9/91 and 9/96.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

<b>Water Name</b>	COWEEMAN RIVER		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="text"/> None
<b>New Segment ID #</b>	<input type="text"/> ON59SG	<b>Old Segment ID #</b>	<input type="text"/> WA-26-1020
<b>Stream Route #</b>	<input type="text"/> 2.664	<b>Water Resource Inventory Area</b>	<input type="text"/> 26
<b>Township</b>	<input type="text"/> 08N	<b>Waterbody Grid #</b>	<input type="text"/>
<b>Range</b>	<input type="text"/> 02W	<b>Grid Latitude</b>	<input type="text"/>
<b>Section</b>	<input type="text"/> 35	<b>Grid Longitude</b>	<input type="text"/>
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 12 samples (8%) at Ecology ambient monitoring station 26C070 (RM 2.7) between 9/91 and 9/96.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

<b>Water Name</b>	COWEEMAN RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="text"/> TMDL
<b>New Segment ID #</b>	<input type="text"/> ON59SG	<b>Old Segment ID #</b>	<input type="text"/> WA-26-1020
<b>Stream Route #</b>	<input type="text"/> 2.664	<b>Water Resource Inventory Area</b>	<input type="text"/> 26
<b>Township</b>	<input type="text"/> 08N	<b>Waterbody Grid #</b>	<input type="text"/>
<b>Range</b>	<input type="text"/> 02W	<b>Grid Latitude</b>	<input type="text"/>
<b>Section</b>	<input type="text"/> 35	<b>Grid Longitude</b>	<input type="text"/>
<b>Basis for Consideration of Listing</b>	4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring station 26C070 (RM 2.7) between 9/91 and 9/96.		
<b>Remarks</b>	<input type="text"/>		

<b>Water Name</b>	COWEEMAN RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	ON59SG	<b>Old Segment ID #</b>	WA-26-1030
<b>Stream Route #</b>	13.709	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	07N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	04	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , numerous excursions beyond the criterion at Andrews Ranch Site during 1988.		
<b>Remarks</b>	<p>Watershed Analysis (WAC 222-22) is being conducted on the Upper Coweeman River WAU. The assessment has been completed and the prescriptions are beginning. The stream temperature model used in the analysis was specifically designed to address temperature, land site-specific analyses of shade were made for each stream reach in the WAU. The stream model is mandatory and will be implemented through permits. Tree growth will work to reduce stream temperature over time. Due to restrictions on the use of chemicals and operations near streams, these processes cannot be accelerated without potential detrimental effects on other water quality criteria. A voluntary monitoring program is being developed in the WAU with other stakeholders. In addition, the Watershed Analysis is subject to review and revision every 3-5years (WAC 222-22-090(4)).EPA Region 10 Guidance specifically states that analysis of stream temperature focused solely on riparian shading is an inadequate data analysis for exclusion of waters under federal regulations. Since Watershed Analysis does not address temperature effects from these other factors such as hydrology or channel morphology, the data analysis is not complete. According to this guidance, these streams cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii).</p>		

<b>Water Name</b>	COWLITZ RIVER		
<b>Parameter</b>	Arsenic	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	EG25YW	<b>Old Segment ID #</b>	WA-26-1040
<b>Stream Route #</b>	7.582	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	3 excursions beyond the National Toxic Rule criterion out of 3 samples (100%) at Ecology ambient monitoring station 26B070 (RM 4.9) between 9/91 and 9/96.		
<b>Remarks</b>	There is significant uncertainty regarding the accuracy of the current arsenic criteria for human health. Even EPA is reluctant to impose the criteria (62 FR 42179, August 5, 1997) that they promulgated on Washington State through the national toxic rule. Ecology is currently considering revising the arsenic standard.		

<b>Water Name</b>	COWLITZ RIVER		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> None
<b>New Segment ID #</b>	EG25YW	<b>Old Segment ID #</b>	WA-26-1040
<b>Stream Route #</b>	7.582	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	<p>0 excursions beyond the criterion out of 36 samples (0%) at Ecology ambient monitoring station 26B070 between 9/91 and 9/96.</p> <p>Listed in 1996 based on 2 excursions beyond the criterion at Ecology ambient monitoringstation 26B070 on 6/22/87 and 4/24/90.</p>		
<b>Remarks</b>	The segment now meets water quality standards for pH.		



<b>Water Name</b>	COWLITZ RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	EG25YW	<b>Old Segment ID #</b>	WA-26-1040
<b>Stream Route #</b>	7.582	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	2 excursions beyond the criterion out of 36 samples (6%) at Ecology ambient monitoring station 26B070 (RM 4.9) between 9/91 and 9/96.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

<b>Water Name</b>	COWLITZ RIVER		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	EG25YW	<b>Old Segment ID #</b>	WA-26-1040
<b>Stream Route #</b>	7.582	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	2 excursions beyond the criterion out of 36 samples (6%) at Ecology ambient monitoring station 26B070 (RM 4.9) between 9/91 and 9/96.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

<b>Water Name</b>	EAST CANYON CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	Yes	<b>Listed in 1996</b>	Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	TV32WL	<b>Old Segment ID #</b>	WA-26-1119
<b>Stream Route #</b>	1.041	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	09E	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	36 excursions beyond the criterion sampled by Gifford Pinchot National Forest at Road 2322 crossing in 1994 (submitted by Curry Jones-EPA on 11/22/95). 4 excursions beyond the criterion sampled between 7/2/97 and 9/29/97 sampled by Gifford Pinchot National Forest above road 2322 (submitted by Jon Gier on 10/29/97)		
<b>Remarks</b>			

<b>Water Name</b>	GOBLE CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	HN80UO	<b>Old Segment ID #</b>	WA-26-1023
<b>Stream Route #</b>	8.07	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	01E	<b>Grid Latitude</b>	
<b>Section</b>	34	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 23 excursions beyond the criterion measured in 1988.		
<b>Remarks</b>	<p>Watershed Analysis (WAC 222-22) is being conducted on the Upper Coweeman River WAU. The assessment has been completed and the prescriptions are beginning. The stream temperature model used in the analysis was specifically designed to address temperature, land site-specific analyses of shade were made for each stream reach in the WAU. The stream model is mandatory and will be implemented through permits. Tree growth will work to reduce stream temperature over time. Due to restrictions on the use of chemicals and operations near streams, these processes cannot be accelerated without potential detrimental effects on other water quality criteria. A voluntary monitoring program is being developed in the WAU with other stakeholders. In addition, the Watershed Analysis is subject to review and revision every 3-5years (WAC 222-22-090(4)).EPA Region 10 Guidance specifically states that analysis of stream temperature focused solely on riparian shading is an inadequate data analysis for exclusion of waters under federal regulations. Since Watershed Analysis does not address temperature effects from these other factors such as hydrology or channel morphology, the data analysis is not complete. According to this guidance, these streams cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii).</p>		

<b>Water Name</b>	GREEN RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="text"/> None
<b>New Segment ID #</b>	KB88BE	<b>Old Segment ID #</b>	WA-26-1072
<b>Stream Route #</b>	6.326	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	02E	<b>Grid Latitude</b>	
<b>Section</b>	02	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Washington Dept. of Fish and Wildlife data show numerous excursions beyond the criterion at the inflow to the Green River Hatchery.		
<b>Remarks</b>	Proposed to be excluded from the list based on the 4/97 judgement of Bill Backous (Dept. of Ecology) that the excursions beyond the criterion are a natural condition with no direct human caused influence. He felt that the high temperature values are likely due to lack of riparian shading and channel morphology changes due to the 1980 eruption of Mt. St. Helens. The stream is within the blast zone of the Mt. St. Helens eruption. However, a review of data collected in the 1970's prior to the eruption (provided by Hal Michael of the Dept. of Fish and Wildlife on 10/23/97) show that temperature criteria were routinely not met during August. This provides evidence that logging with the associated riparian cover removal and low flow conditions may be causing the elevated temperatures measured in the stream.		

<b>Water Name</b>	HERRINGTON CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="text"/> TMDL
<b>New Segment ID #</b>	JJ99IK	<b>Old Segment ID #</b>	WA-26-1087
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	09N	<b>Waterbody Grid #</b>	
<b>Range</b>	03E	<b>Grid Latitude</b>	
<b>Section</b>	28	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 16 excursions beyond the criterion during 1988.		
<b>Remarks</b>			

<b>Water Name</b>	HOFFSTADT CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="text"/> None
<b>New Segment ID #</b>	<input type="text"/> NI54RD	<b>Old Segment ID #</b>	<input type="text"/> WA-26-1077
<b>Stream Route #</b>	<input type="text"/> 11.698	<b>Water Resource Inventory Area</b>	<input type="text"/> 26
<b>Township</b>	<input type="text"/> 19N	<b>Waterbody Grid #</b>	<input type="text"/>
<b>Range</b>	<input type="text"/> 2E	<b>Grid Latitude</b>	<input type="text"/>
<b>Section</b>	<input type="text"/> 23	<b>Grid Longitude</b>	<input type="text"/>
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 26 excursions beyond the criterion at T19N-R2E-S23 during1988 .		
<b>Remarks</b>	The excursions beyond the criterion are a natural condition with no direct human caused influence. The high temperature values are likely due to lack of riparian shading and channel morphology changes due to the 1980 eruption of Mt. St. Helens based on the 4/97 judgement of Bill Backous (Dept. of Ecology). The stream is within the blast zone of Mt. St. Helens. No human activities have likely caused the high temperatures.		

<b>Water Name</b>	IRON CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="text"/> TMDL
<b>New Segment ID #</b>	<input type="text"/> ZZ28DH	<b>Old Segment ID #</b>	<input type="text"/> None55
<b>Stream Route #</b>	<input type="text"/> 0	<b>Water Resource Inventory Area</b>	<input type="text"/> 26
<b>Township</b>	<input type="text"/> 11N	<b>Waterbody Grid #</b>	<input type="text"/>
<b>Range</b>	<input type="text"/> 07E	<b>Grid Latitude</b>	<input type="text"/>
<b>Section</b>	<input type="text"/> 19	<b>Grid Longitude</b>	<input type="text"/>
<b>Basis for Consideration of Listing</b>	33 excursions beyond the criterion sampled by Gifford Pinchot National Forest (submitted by Jon Gier on 10/29/97) on Iron Creek, 300 feet above road 7600 between 7/7/96 and 9/30/96		
<b>Remarks</b>	<input type="text"/>		

<b>Water Name</b>	MULHOLLAND CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	NA87LM	<b>Old Segment ID #</b>	WA-26-1025
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	08N	<b>Waterbody Grid #</b>	
<b>Range</b>	01E	<b>Grid Latitude</b>	
<b>Section</b>	17	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 4 excursions beyond the criterion measured in 1988.		
<b>Remarks</b>	<p>Watershed Analysis (WAC 222-22) is being conducted on the Upper Cowlitz River WAU. The assessment has been completed and the prescriptions are beginning. The stream temperature model used in the analysis was specifically designed to address temperature, land site-specific analyses of shade were made for each stream reach in the WAU. The stream model is mandatory and will be implemented through permits. Tree growth will work to reduce stream temperature over time. Due to restrictions on the use of chemicals and operations near streams, these processes cannot be accelerated without potential detrimental effects on other water quality criteria. A voluntary monitoring program is being developed in the WAU with other stakeholders. In addition, the Watershed Analysis is subject to review and revision every 3-5 years (WAC 222-22-090(4)). EPA Region 10 Guidance specifically states that analysis of stream temperature focused solely on riparian shading is an inadequate data analysis for exclusion of waters under federal regulations. Since Watershed Analysis does not address temperature effects from these other factors such as hydrology or channel morphology, the data analysis is not complete. According to this guidance, these streams cannot be excluded from the list under federal regulation 40 CFR 130.7(b)(1)(iii).</p>		

<b>Water Name</b>	SCHULTZ CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	No	<b>Listed in 1996</b>	No
		<b>Action Needed</b>	None
<b>New Segment ID #</b>	SR33SN	<b>Old Segment ID #</b>	WA-26-1075
<b>Stream Route #</b>	0.946	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	04E	<b>Grid Latitude</b>	
<b>Section</b>	10	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Sullivan, et al. 1990 , 27 excursions beyond the criterion during 1988.		
<b>Remarks</b>	The excursions beyond the criterion are a natural condition with no direct human caused influence. The high temperature values are likely due to lack of riparian shading and channel morphology changes due to the 1980 eruption of Mt. St. Helens based on the 4/97 judgement of Bill Backous (Dept. of Ecology). The stream is within the blast zone of Mt. St. Helens. No human activities have likely caused the high temperatures.		

<b>Water Name</b>	SILVER CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	No	<b>Listed in 1996</b>	Yes
		<b>Action Needed</b>	None
<b>New Segment ID #</b>	CT81WJ	<b>Old Segment ID #</b>	WA-26-1122
<b>Stream Route #</b>	1.46	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	12N	<b>Waterbody Grid #</b>	
<b>Range</b>	07E	<b>Grid Latitude</b>	
<b>Section</b>	10	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	34 excursions beyond the criterion at USFS STORET station 03020503 between 7/1/87 and 7/1/91.		
<b>Remarks</b>	The USFS data downloaded from STORET were challenged as not meeting the quality assurance criteria of the Water Quality Program policy on listing. The listed STORET contact (Margaret Connelly) was asked to verify that these criteria were met for the data used as a basis for listing. USFS did not verify that these data meet the quality assurance criteria. Therefore, the older data from STORET should not be used as a basis for listing.		

<b>Water Name</b>	SILVER CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	CT81WJ	<b>Old Segment ID #</b>	WA-26-1122
<b>Stream Route #</b>	1.46	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	12N	<b>Waterbody Grid #</b>	
<b>Range</b>	07E	<b>Grid Latitude</b>	
<b>Section</b>	10	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	72 excursions beyond the criterion sampled by Gifford Pinchot National Forest in 1992 and 1993 (submitted by Curry Jones-EPA on 11/22/95); 21 excursions beyond the criterion sampled between 7/2/96 and 9/9/96 and 7 excursion beyond the criterion form 7/7/97 and 10/1/97 sampled by Gifford Pinchot National Forest at station #030020503 above Silverbrook Road in Randle (submitted by John Gier on 10/29/97).;		
<b>Remarks</b>			

<b>Water Name</b>	SILVER LAKE		
<b>Parameter</b>	Total Phosphorus	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> None
<b>New Segment ID #</b>	093NJJ	<b>Old Segment ID #</b>	WA-26-9110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	36	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Completed Phase I State Clean Lakes Restoration Project in 1990 - Problems Encountered: Aquatic macrophytes, tributary nutrient inputs.; Moore, 1990.		
<b>Remarks</b>	Active Phase II State Clean Lakes Restoration Project: Control measures underway based on the Phase I study -biological control (triploid grass carp), development of a watershed nutrient management plan, public education. Implementation of control measures will be required toe completed by June 1998 under the conditions of the grant. Monitoring completed as a result of the project will be completed in 1997. Results show an increase in turbidity due to reduced plant cover. All submerged plants and watershed plants have been removed by grass carp. Only duckbean and yellow water lily remain. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR130.7(b)(1)(iii).		



<b>Water Name</b>	TOUTLE RIVER		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	TT61QP	<b>Old Segment ID #</b>	WA-26-1050
<b>Stream Route #</b>	1.007	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	2 excursions beyond the criterion out of 36 samples (6%) at Ecology ambient monitoring station 26D070 (RM 1.0) between 9/91 and 9/96.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

<b>Water Name</b>	TOUTLE RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	TT61QP	<b>Old Segment ID #</b>	WA-26-1050
<b>Stream Route #</b>	1.007	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	10N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring station 26D070 (RM 1.0) between 9/91 and 9/96.		
<b>Remarks</b>	The excursions beyond the criterion are a natural condition with no direct human caused influence. The high temperature values are likely due to lack of riparian shading and channel morphology changes due to the 1980 eruption of Mt. St. Helens based on the 4/97 judgement of Bill Backous (Dept. of Ecology). The stream is within the blast zone of Mt. St. Helens. No human activities have likely caused the high temperatures.		

<b>Water Name</b>	WILLAME CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	YV88LF	<b>Old Segment ID #</b>	WA-26-1124
<b>Stream Route #</b>	1.237	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	13N	<b>Waterbody Grid #</b>	
<b>Range</b>	09E	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	6 excursions beyond the criterion sampled between 7/1/96 and 9/1/96 sampled by Gifford Pinchot National Forest (submitted by Jon Gier on 10/29/97)		
<b>Remarks</b>			

<b>Water Name</b>	WOODS CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> None
<b>New Segment ID #</b>	DK37GG	<b>Old Segment ID #</b>	WA-26-1112
<b>Stream Route #</b>	1.71	<b>Water Resource Inventory Area</b>	26
<b>Township</b>	11N	<b>Waterbody Grid #</b>	
<b>Range</b>	07E	<b>Grid Latitude</b>	
<b>Section</b>	07	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion sampled by Gifford Pinchot National Forest on 6/29/95 (submitted by Curry Jones -EPA on 11/22/95).		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		